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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/911,219	07/23/2001	Juha Rasanen	060282.00046	4905

32294 7590 10/01/2007
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EXAMINER

GARY, ERIKA A

ART UNIT	PAPER NUMBER
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2617

MAIL DATE	DELIVERY MODE
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10/01/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

09/911,219

Applicant(s)

RASANEN, JUHA

Examiner

Erika A. Gary

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 July 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 22-33,35-37 and 39-46 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 22-33,35-37 and 39-46 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Objections

1. Claims 30 and 31 are objected to because of the following informalities: the acronyms GSM and UMTS should be spelled out first. Appropriate correction is required.
2. Claim 39 is objected to because of the following informalities: on page 6, line 2, "the a specific" should be "the specific"; and on page 6, lines 16-17, "is initiated" should be deleted. Appropriate correction is required.
3. Claim 40 is objected to because of the following informalities: on line 2, "said interworking device" should be "said network interworking device". Appropriate correction is required.
4. Claim 41 is objected to because of the following informalities: on line 2, "said interworking device" should be "said network interworking device". Appropriate correction is required.

Claim Rejections - 35 USC § 112

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
6. Claims 39, 44, and 46 recite the limitation "said radio transceiver device" in line 12. There is insufficient antecedent basis for this limitation in the claim.
7. Claim 23 recites the limitation "the radio access network" in line 3. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 22-33, 35-37, and 39-46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dufour et al, US Patent Number 5,878,349 (hereinafter Dufour) in view of prior art made of record in previous Office Actions, Tayloe et al., US Patent Number 5,826,188 (hereinafter Tayloe).

Regarding claims 22, 35, 39, 44, and 46, Dufour discloses a method comprising: detecting a request for specific service, wherein said request for specific service is received from at least one of a first access network and a second access network; accessing information on conditions for the first radio access network and the second radio access network for giving sufficient support for a specific service requested by said request for specific service, analyzing whether or not said first radio access network and said second radio access network meet said conditions; and initiating a handover of said radio transceiver device from said first radio access network to said second radio access network if the conditions are met by the second radio access network but the first radio access network does not, wherein a radio transceiver device capable of operating with the first radio access network and the second radio access

network is attached to said first radio access network [figs. 3a, 3b; col. 4: lines 46 – col. 5: line 23].

What Dufour does not specifically disclose is wherein an error procedure is initiated, when it is detected in said analyzing that said requested specific service is not available in any of said networks. However, Tayloe teaches this limitation [fig. 3: col. 8: lines 20-28].

Dufour and Tayloe are combinable because they are from the same field of endeavor, that is, handing off call between first and second radio access networks. At the time of the invention, it would have been obvious to one of ordinary skill in the art to modify Dufour to include Tayloe. The rationale for this modification would have been to notify the user that the request couldn't be fulfilled in order for the user to promptly consider another service request.

Regarding claim 23, Dufour discloses wherein said conditions comprise a condition whether said requested specific service exists in the radio access network [figs. 3a, 3b].

Regarding claim 24, Dufour discloses wherein said conditions depend on each other [figs. 3a, 3b].

Regarding claim 25, Tayloe discloses wherein one of said conditions for the first radio access network is a given amount lower than the corresponding condition for the second radio access network [col. 6: lines 30-48].

Regarding claims 26 and 40, Dufour discloses wherein said method is performed in said radio transceiver device [col. 5: lines 20-23].

Regarding claims 27 and 41, Dufour discloses wherein said method is performed in a network control device [col. 5: lines 20-23].

Regarding claim 28, Dufour discloses informing said radio transceiver device of the fact that a handover to said second radio access network is to be initiated [fig. 3b: ref. 47].

Regarding claim 29, Dufour discloses wherein said radio transceiver device is a dual mode phone which is adapted to be operated in said first radio access network and said second radio access network [col. 4: lines 46-48].

Regarding claim 30, Dufour discloses wherein either said first or said second radio access network is a GSM network [col. 1: lines 15-17].

Regarding claim 31, the Examiner takes Official Notice that it is well known in the art that either said second or said first radio access network could be a UMTS network as the specific network types used is a matter of design choice which lacks criticality to the overall function of the invention.

Regarding claim 32, Dufour discloses wherein said requested specific service is a circuit-switched service [fig. 4a: ref. 51].

Regarding claim 33, Dufour discloses wherein said requested specific service is a packet service [fig. 3a: ref. 31].

Regarding claim 36, Dufour discloses wherein said radio transceiver device is attached to said first radio access network such that it is located in a cell of said first radio access network and connected by air with said first radio access network [fig. 1].

Regarding claim 37, Dufour discloses wherein said radio transceiver device is also located in a cell of said second radio access network [fig. 1].

Regarding claim 42, Dufour discloses wherein said analyzing unit is connected to a database to obtain information regarding said conditions of said requested specific service [figs. 3a, 3b; col. 4: lines 46 – col. 5: line 23].

Regarding claims 43 and 45, Dufour discloses wherein said analyzing unit is configured to analyze whether a subscriber using said radio transceiver device is entitled to use said requested specific service [figs. 3a, 3b].

Response to Arguments

10. Applicant's arguments with respect to claims 22-33, 35-37, and 39-46 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Erika A. Gary whose telephone number is 571-272-7841. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on 571-272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2617

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

EAG
September 26, 2007


ERIKA A. GARY
PRIMARY EXAMINER